

## Storm Data and Unusual Weather Phenomena - September 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>ARKANSAS, Southeast</b>				
<b>(AR-Z074) ASHLEY</b>				
	09/01/08 17:00 CST		0.80M	Tropical Storm
	09/02/08 06:00 CST		0.20M	
<b>ASHLEY COUNTY --- 1.5 E FOUNTAIN HILL [33.35, -91.85], 4.7 S LAKE GEORGIA PACIFIC [33.16, -92.06], 1.0 SW VENICE [33.02, -92.04], 4.6 ESE WILMOT [33.03, -91.51], 0.4 SSE BOYDELL [33.37, -91.48]</b>				
	09/03/08 03:30 CST		5M	Flash Flood (due to Heavy Rain)
	09/03/08 06:30 CST		15M	Source: Emergency Manager
Persistent heavy rains occurred from weakening Hurricane Gustav and dumped 8 to 12 inches of rain across the county. This heavy rainfall caused many roads to flood along with several homes taking in water.				
Agriculture was especially hard hit as all of the farmland was flooded. In some cases, entire crops were lost or were substantially damaged where yields were very low.				
<b>CHICOT COUNTY --- 0.7 N VAUCLUSE [33.36, -91.20], 3.9 WSW HARWOOD [33.15, -91.19], 0.8 W ARKLA [33.03, -91.23], 6.0 S EMPIRE [33.03, -91.42], 0.8 E DERMOTT [33.52, -91.42]</b>				
	09/03/08 06:00 CST		3M	Flash Flood (due to Heavy Rain)
	09/03/08 08:45 CST		13M	Source: Emergency Manager
Persistent heavy rains occurred from weakening Hurricane Gustav and dumped 8 to 12 inches of rain across the county. This heavy rainfall caused many roads to flood along with several homes taking in water.				
Agriculture was especially hard hit as all of the farmland was flooded. In some cases, entire crops were lost or were substantially damaged where yields were very low.				
<b>CHICOT COUNTY --- 1.4 S YELLOW BAYOU [33.38, -91.25], 0.7 SSE YELLOW BAYOU [33.39, -91.24]</b>				
	09/03/08 17:01 CST		0	Tornado (EF0, L: 0.85 mi , W: 25 yd)
	09/03/08 17:02 CST		0	Source: Emergency Manager
Emergency Manager witnessed a brief tornado touch down just north of Lake Village.				
<b>CHICOT COUNTY --- 3.9 WSW HARWOOD [33.15, -91.19], 2.1 E GRAND LAKE [33.08, -91.18], 0.8 W ARKLA [33.03, -91.23], 2.9 SW INDIAN [33.02, -91.33], 2.0 NNE EUDORA [33.15, -91.26], 0.7 S FAIRVIEW [33.26, -91.25], 1.7 SE SUNNYSIDE [33.28, -91.16]</b>				
	09/03/08 17:40 CST		1M	Flash Flood (due to Heavy Rain)
	09/03/08 20:30 CST		3M	Source: Emergency Manager
During the late afternoon on the 3rd, a heavy band of storms developed and dumped a quick 2 to 4 inches across the eastern side of Chicot County. This rainfall fell on already soaked ground some flooding still occurring in some locations. Additional flooding occurred from this rainfall and dozens of additional roads were under water.				
Hurricane Gustav was the 2nd major hurricane of the 2008 Atlantic Hurricane Season. It took shape as a tropical depression on the morning of August 25th just southeast of Haiti, and rapidly strengthened to hurricane status by the morning of August 26th. After inflicting serious damage on portions of Haiti, Jamaica, and Cuba, Gustav entered into the southeastern portion of the Gulf of Mexico and took aim at the Gulf Coast of the United States. Although Gustav attained Category 4 status earlier in its life, Gustav eventually made landfall as a strong Category 2 system at Cocodrie, Louisiana, on September 1st, containing maximum sustained winds around 110 mph. Gustav slowed down and weakened as it continued on its northwest track across southern Louisiana where major damage was inflicted. The pace of the system continued to slow dramatically over the next few days as it turned gradually to the right around a large ridge of high pressure over the Southeast. The remnants of Gustav finally began moving rapidly away from the Lower Mississippi Valley on the 4th as an incoming disturbance deflected it to the northeast. Gustav was responsible for multiple hazardous weather elements across the service area such as tropical storm force winds, tornadoes, flash flooding, and areal flooding from extensive rains.				
As the center of Gustav crossed much of southern Louisiana, tropical storm force winds extended into southern Mississippi and portions of east central Louisiana. Sustained winds were between 35 and 45 mph with higher gusts between 70 and 100 mph occurred. Tree and power line damage was extensive across these areas which resulted in widespread power outages, some of which lasted for 3 to 5 days.				
As Gustav slowed across central Louisiana, the outer rainbands continued to rotate across much of southern and central Mississippi. This kept those portions of Mississippi in the region which was favorable for tornadoes. Over 3 days, 26 tornadoes were confirmed, all of which were in the EF0 to EF1 range.				

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As Gustav slowed on September 2nd, flash flooding became a major issue which lasted into the 3rd as the storm slowly lifted to the north and northeast. The first round of heavy rain and flash flooding was across portions of southeast Mississippi as the outer rainbands started to move across the same areas. Total rainfall across this area was between 4 and 7 inches. The heaviest rains fell across areas near and west of the Mississippi River. Some of the Mississippi counties boarding the river received 8 to 11 inches of rain. Areas west of the river across Louisiana and southeast Arkansas saw extreme rainfall. Many locations received between 11 and 20 inches of rain. The highest measured rainfall was at Larto Lake where 21 inches fell. The flooding rains had a tremendous impact on area crops. Crop damage was extensive across Louisiana and western Mississippi. The flooding rains came at a crucial time as most crops will be harvested in September. Crop damage from Gustav will range between 300-400 million dollars.

### LOUISIANA, Northeast

(LA-Z007) MOREHOUSE, (LA-Z015) RICHLAND, (LA-Z016) MADISON, (LA-Z023) FRANKLIN, (LA-Z024) CATAHOULA, (LA-Z025) TENSAS, (LA-Z026) CONCORDIA

09/01/08 14:00 CST	15.80M	Tropical Storm
09/02/08 05:00 CST	1.90M	

CATAHOULA COUNTY --- JONESVILLE [31.62, -91.83], 1.7 SSW BOOK [31.33, -91.88], 2.7 SW LARTO [31.35, -91.96], 0.9 W ARCHIE [31.58, -91.99], 1.1 SSE DUTY [31.91, -91.92], 4.9 ESE ENTERPRISE [31.87, -91.80], 0.9 NE SICILY IS [31.86, -91.66], 6.0 ENE QUAID [31.70, -91.72]

09/02/08 19:00 CST	32K	Flash Flood (due to Heavy Rain)
09/03/08 14:30 CST	25K	Source: Law Enforcement

Persistent heavy rains fell from the bands around weakening Hurricane Gustav. These slow moving bands produced tremendous rainfall amounts across nearly all of Catahoula Parish. Rainfall totals ranged between 10 and 20 inches. The heaviest of rains fell during the evening of the 2nd and early morning hours of the 3rd. Of the entire rainfall event during Gustav, Larto Lake had the highest recorded rainfall with 21 inches. At Haha Bayou pumping station, 19.97 inches was measured.

This extreme rainfall flooded numerous roads across the parish and many of these were closed for several days. Many other roads were washed out along with some bridges damaged or destroyed. Dozens of homes and businesses were flooded along with apartment complexes. Flood damage was significant in most cases.

Agriculture was very hard hit across the parish as well. Nearly all farm land was flooded at some point with varying levels of standing water from minor to extreme depths. Many areas experienced total losses with some crops while the rest had very low yields. The hardest hit crops were cotton, soybeans, and sweet potatoes.

FRANKLIN COUNTY --- 1.2 N LIDDIEVILLE [32.15, -91.85], 1.6 WNW EXTENSION [31.98, -91.84], 2.6 W HOLLY GROVE [31.93, -91.76], 2.8 E WISNER [31.98, -91.62], 0.4 SW LORELEIN [32.10, -91.55], 2.1 WSW LAMAR [32.31, -91.56], 0.6 SSW BASKIN [32.26, -91.75]

09/02/08 19:15 CST	25M	Flash Flood (due to Heavy Rain)
09/03/08 07:00 CST	38M	Source: Trained Spotter

Persistent heavy rains fell from the bands around weakening Hurricane Gustav. These slow moving bands produced tremendous rainfall amounts across nearly all of Franklin Parish. Rainfall totals ranged between 10 and 20 inches. The heaviest of rains fell during the evening of the 2nd and early morning hours of the 3rd. During this rainfall event some of the highest measured amounts fell in Franklin Parish. Jigger measured 20 inches of rain and Winnsboro measured 17.54 inches.

This extreme rainfall flooded numerous roads across the parish and many of these were closed for several days. Many other roads were washed out along with some bridges damaged or destroyed. Dozens of homes and businesses were flooded. Flood damage was significant in most cases.

Agriculture was very hard hit across the parish as well. Nearly all farm land was flooded at some point with varying levels of standing water from minor to extreme depths. Many areas experienced total losses with some crops while the rest had very low yields. The hardest hit crops were cotton, soybeans, and sweet potatoes.

CONCORDIA COUNTY --- 0.6 E CONCORDIA JCT [31.63, -91.56], 1.5 W RIDGECREST [31.60, -91.53], 0.8 SSW DEER PARK [31.41, -91.58], 2.5 NNW SLOCUM [31.31, -91.66], 1.8 NNW ACME [31.30, -91.84], 0.7 ESE WILDSVILLE [31.61, -91.79], 1.1 ENE HAPHAZARD [31.71, -91.68], 1.2 ENE CLAYTON [31.72, -91.53]

09/02/08 19:30 CST	25M	Flash Flood (due to Heavy Rain)
09/03/08 14:30 CST	30M	Source: Emergency Manager

## Storm Data and Unusual Weather Phenomena - September 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>Persistent heavy rains fell from the bands around weakening Hurricane Gustav. These slow moving bands produced tremendous rainfall amounts across nearly all of Concordia Parish. Rainfall totals ranged between 10 and 20 inches with the heaviest across the western side of the parish. The heaviest of rains fell during the evening of the 2nd and early morning hours of the 3rd.</p> <p>This extreme rainfall flooded numerous roads across the parish and many of these were closed for several days. Many other roads were washed out along with some bridges damaged or destroyed. Dozens of homes and businesses were flooded along with apartment complexes. Flood damage was significant in most cases.</p> <p>Agriculture was very hard hit across the parish as well. Nearly all farm land was flooded at some point with varying levels of standing water from minor to extreme depths. Many areas experienced total losses with some crops while the rest had very low yields. The hardest hit crops were cotton, soybeans, and sweet potatoes.</p>				
<b>CATAHOULA COUNTY --- 2.2 WNW JONESVILLE [31.63, -91.86], 1.1 ENE WALLACE RIDGE [31.71, -91.81]</b>				
	09/02/08 21:25 CST		0.60M	Tornado (EF1, L: 5.76 mi , W: 75 yd)
	09/02/08 21:33 CST		0	Source: NWS Storm Survey
<p>This tornado touched down just to the northwest of Jonesville and tracked north northeast for nearly 6 miles before it lifted in the Wallace Ridge Community. Numerous trees were snapped or uprooted along the path as well as several structures damaged. A couple mobile homes were heavily damaged. A few homes sustained roof damage as a portion of the roof was peeled off. One large metal shed was heavily damaged with the roof blown off and a wall blown down. Maximum winds were around 105 mph.</p>				
<b>TENSAS COUNTY --- SOMERSET [32.18, -91.23], 1.9 E ST JOSEPH [31.92, -91.22], 0.6 NNW CHAMBLEE [31.86, -91.35], 1.0 S WATERPROOF [31.79, -91.40], 5.0 SSW COOTER PT [31.87, -91.56], 5.5 SW NEW LIGHT [32.03, -91.48], 3.7 W TENSAS BLUFF [32.18, -91.46]</b>				
	09/02/08 22:20 CST		10M	Flash Flood (due to Heavy Rain)
	09/03/08 07:00 CST		34M	Source: Law Enforcement
<p>Heavy rainfall fell across all of Tensas Parish as persistent rain bands continued to impact the area from weakening Hurricane Gustav. Rainfall amounts between 9 and 17 inches fell across the parish, mostly during the evening of the 2nd and early morning of the 3rd. Local officials said they have never seen that much rain or water across the parish ever. The flooding was widespread and significant.</p> <p>Numerous roads were flooded with some washed out. Dozens of homes were also flooded across the parish as multiple rounds of heavy rain impacted the area.</p> <p>Agriculture was extremely hard hit as farmland was flooded and crops became water logged. Many areas saw total loss of some crops while other areas experienced very low yields. Cotton, soybeans and sweet potatoes were some of the hardest hit crops.</p>				
<b>CONCORDIA COUNTY --- 0.6 E FROGMORE [31.60, -91.67], 1.4 ESE BALINA [31.66, -91.68]</b>				
	09/02/08 22:27 CST		0	Thunderstorm Wind (EG 53 kt)
	09/02/08 22:28 CST		0	Source: Emergency Manager
<p>Several trees were blown down.</p>				
<b>RICHLAND COUNTY --- 1.2 NE MANGHAM [32.31, -91.77], 6.2 E DEHLCO [32.38, -91.66], 0.5 S DELHI MUNI ARPT [32.41, -91.50], 2.6 NE DELHI [32.48, -91.47], 4.5 N START [32.54, -91.86], 0.7 SSE CHARLIEVILLE [32.29, -91.92]</b>				
	09/03/08 00:55 CST		10M	Flash Flood (due to Heavy Rain)
	09/03/08 06:30 CST		31M	Source: Law Enforcement
<p>Heavy rainfall fell across all of Richland Parish as persistent rain bands continued to impact the area from weakening Hurricane Gustav. Rainfall amounts between 8 and 15 inches fell across the parish, mostly during the evening of the 2nd and early morning of the 3rd.</p> <p>Numerous roads were flooded with some washed out. Some homes were also flooded across the parish as multiple rounds of heavy rain impacted the area.</p> <p>Agriculture was extremely hard hit as farmland was flooded and crops became water logged. Many areas saw total loss of some crops while other areas experienced very low yields. Cotton, soybeans and sweet potatoes were some of the hardest hit crops.</p>				
<b>MOREHOUSE COUNTY --- BASTROP [32.78, -91.90], 5.6 SW GUM RIDGE [32.56, -91.86], 3.0 E OAK RIDGE [32.63, -91.72], 7.7 ESE STAMPLEY [32.80, -91.65], 2.0 W JONES [32.97, -91.66], 4.0 N NAFF [32.99, -91.92]</b>				
	09/03/08 01:00 CST		4M	Flash Flood (due to Heavy Rain)
	09/03/08 05:00 CST		34M	Source: Law Enforcement

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Heavy rainfall fell across all of Morehouse Parish as persistent rain bands continued to impact the area from weakening Hurricane Gustav. Rainfall amounts between 7 and 13 inches fell across the parish, mostly during the evening of the 2nd and early morning of the 3rd.				

Numerous roads were flooded with some washed out. Agriculture was extremely hard hit as farmland was flooded and crops became water logged. Many areas saw total loss of some crops while other areas experienced very low yields. Cotton, soybeans and sweet potatoes were some of the hardest hit crops.

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### CONCORDIA COUNTY --- 1.5 SW NEW ERA [31.35, -91.84], 0.3 NE NEW ERA [31.37, -91.82]

09/03/08 03:37 CST	7K	Tornado (EF1, L: 1.80 mi , W: 50 yd)
09/03/08 03:39 CST	0	Source: NWS Storm Survey

This tornado touched down in the New Era area and downed several trees along the 1.8 mile path. A mobile home was damaged as well with windows blown out and the home shifted off the blocks. Maximum winds were around 90 mph.

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### WEST CARROLL COUNTY --- EPPS [32.60, -91.48], 4.2 SSW BEAR SKIN [32.62, -91.60], 3.6 SSW GOODWILL [32.73, -91.60], 2.3 WSW FISKE [32.87, -91.54], 2.5 NE FISKE [32.90, -91.47], 6.0 WNW CHICKASAW [33.00, -91.42], 0.9 E KILBOURNE [33.00, -91.28], 0.6 NNW FLOYD [32.69, -91.40]

09/03/08 04:00 CST	1.30M	Flash Flood (due to Heavy Rain)
09/03/08 08:00 CST	33M	Source: Law Enforcement

Heavy rainfall fell across all of West Carroll Parish as persistent rain bands continued to impact the area from weakening Hurricane Gustav. Rainfall amounts between 7 and 13 inches fell across the parish, mostly during the evening of the 2nd and early morning of the 3rd.

Numerous roads were flooded with some washed out. Agriculture was extremely hard hit as farmland was flooded and crops became water logged. Many areas saw total loss of some crops while other areas experienced very low yields. Cotton, soybeans and sweet potatoes were some of the hardest hit crops.

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### EAST CARROLL COUNTY --- 10.6 WNW ROOSEVELT [32.61, -91.40], 4.4 WNW BOWIE [32.77, -91.34], 2.0 NW GASSOWAY [33.00, -91.25], 1.7 NE GASSOWAY [32.99, -91.20], 2.8 N SHELburn [32.92, -91.23], 0.9 SSE LAKE PROVIDENCE ARPT [32.82, -91.17], 0.8 NNW HOLLYBROOK [32.74, -91.18], 0.4 NE BOMERS [32.60, -91.17]

09/03/08 06:00 CST	1.50M	Flash Flood (due to Heavy Rain)
09/03/08 09:30 CST	36M	Source: Law Enforcement

Heavy rainfall fell across all of East Carroll Parish as persistent rain bands continued to impact the area from weakening Hurricane Gustav. Rainfall amounts between 7 and 13 inches fell across the parish, mostly during the evening of the 2nd and early morning of the 3rd.

Numerous roads were flooded with some washed out. Agriculture was extremely hard hit as farmland was flooded and crops became water logged. Many areas saw total loss of some crops while other areas experienced very low yields. Cotton, soybeans and sweet potatoes were some of the hardest hit crops.

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### MADISON COUNTY --- AFTON [32.25, -91.20], 3.5 WSW DELTA [32.31, -90.98], 1.3 SSE ENOKA [32.51, -91.16], 4.3 N ALTOONA [32.51, -91.44], 11.4 SSW TENDAL ARPT [32.28, -91.46]

09/03/08 06:00 CST	2M	Flash Flood (due to Heavy Rain)
09/03/08 09:50 CST	34M	Source: Law Enforcement

Heavy rainfall fell across all of Madison Parish as persistent rain bands continued to impact the area from weakening Hurricane Gustav. Rainfall amounts between 7 and 13 inches fell across the parish, mostly during the evening of the 2nd and early morning of the 3rd.

Numerous roads were flooded with some washed out. Agriculture was extremely hard hit as farmland was flooded and crops became water logged. Many areas saw total loss of some crops while other areas experienced very low yields. Cotton, soybeans and sweet potatoes were some of the hardest hit crops.

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### CATAHOULA COUNTY --- 1.1 SW QUAID [31.66, -91.83], 0.6 SW QUAID [31.67, -91.83]

09/03/08 16:22 CST	0.40M	Tornado (EF1, L: 0.58 mi , W: 50 yd)
09/03/08 16:24 CST	0	Source: NWS Storm Survey

This tornado touched down just north of Jonesville along Highway 124 and tracked north east for almost a mile. Several travel trailers were damaged or destroyed along with some trees snapped and uprooted. A metal building was also damaged along the path. Maximum winds were around 100 mph.

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### CATAHOULA COUNTY --- 1.3 ENE WALLACE RIDGE [31.71, -91.81], 2.1 NE WALLACE RIDGE [31.72, -91.80]

09/03/08 17:10 CST	0.15M	Tornado (EF1, L: 0.87 mi , W: 40 yd)
09/03/08 17:12 CST	0	Source: NWS Storm Survey

This tornado briefly touched down in the Wallace Ridge Community and was on the ground for about 1 mile. Numerous trees were blown down along with many limbs snapped. A few mobile homes were damaged by fallen trees. Maximum winds were around 90 mph.

## Storm Data and Unusual Weather Phenomena - September 2008

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<b>EAST CARROLL COUNTY --- 0.7 N LAKE PROVIDENCE [32.81, -91.18], 4.3 NNE LAKE PROVIDENCE ARPT [32.88, -91.14], 3.1 NNW SHELburn [32.92, -91.23], 1.7 NNE GASSOWAY [33.00, -91.21], 2.6 WNW GASSOWAY [33.00, -91.26], 6.5 W PROVIDENCE LAKE [32.84, -91.33], 10.2 W ROOSEVELT [32.59, -91.40], 0.9 E BOMERS [32.60, -91.16]</b>				
	09/03/08 17:40 CST		3M	Flash Flood (due to Heavy Rain)
	09/03/08 21:00 CST		6M	Source: Emergency Manager

During the late afternoon of the 3rd, another heavy band of storms developed across the region and produced another 3 to 5 inches of rainfall. This rain fell on already soaked and flooded land. This new rainfall flooded around several homes and numerous roads. Crops were also damaged by additional rainfall.

<b>WEST CARROLL COUNTY --- 0.1 SE KILBOURNE [33.00, -91.30], 3.5 NW CHICKASAW [33.00, -91.37], 3.8 ENE FISKE [32.90, -91.44], 1.8 NE BEAR SKIN [32.70, -91.56], 5.1 S BEAR SKIN [32.61, -91.57], 1.6 ENE EPPS [32.61, -91.46]</b>				
	09/03/08 17:40 CST		2M	Flash Flood (due to Heavy Rain)
	09/03/08 21:00 CST		4M	Source: Emergency Manager

During the late afternoon of the 3rd, another heavy band of storms developed across the region and produced another 3 to 5 inches of rainfall. This rain fell on already soaked and flooded land. This new rainfall flooded around 50 homes and numerous roads.

<b>CATAHOULA COUNTY --- HARRISONBURG [31.77, -91.83], 2.5 WNW WALLACE [31.70, -91.89], 1.7 SW QUAID [31.66, -91.84], 4.9 ESE HARRISONBURG [31.74, -91.75]</b>				
	09/03/08 18:30 CST		0.40M	Flash Flood (due to Heavy Rain)
	09/03/08 20:00 CST		0.80M	Source: Newspaper

During the afternoon of the 3rd, another heavy band of storms developed across the region and produced another 2 to 4 inches of rainfall. This rain fell on already soaked and flooded land. This new rainfall flooded a few homes and several roads.

<b>TENSAS COUNTY --- 0.6 E LAKE BRUIN [31.98, -91.24], 1.3 ESE ST JOSEPH [31.91, -91.23], 0.7 NW CHAMBLEE [31.86, -91.36], 0.3 ENE WATERPROOF [31.80, -91.40], 3.1 WSW TROY [31.81, -91.52], 2.8 NNE COOTER PT [31.97, -91.50], 1.9 WSW TENSAS BLUFF [32.16, -91.43], 2.0 ESE SOMERSET [32.17, -91.20]</b>				
	09/03/08 20:20 CST		0.50M	Flash Flood (due to Heavy Rain)
	09/03/08 22:00 CST		2M	Source: Emergency Manager

During the evening of the 3rd, another band of heavy rainfall moved across the parish. An additional 2 to 3 inches fell across an area that was extremely saturated and still flooded from earlier rainfall. This last round of rain caused parish roads to flood again.

Hurricane Gustav was the 2nd major hurricane of the 2008 Atlantic Hurricane Season. It took shape as a tropical depression on the morning of August 25th just southeast of Haiti, and rapidly strengthened to hurricane status by the morning of August 26th. After inflicting serious damage on portions of Haiti, Jamaica, and Cuba, Gustav entered into the southeastern portion of the Gulf of Mexico and took aim at the Gulf Coast of the United States. Although Gustav attained Category 4 status earlier in its life, Gustav eventually made landfall as a strong Category 2 system at Cocodrie, Louisiana, on September 1st, containing maximum sustained winds around 110 mph. Gustav slowed down and weakened as it continued on its northwest track across southern Louisiana where major damage was inflicted. The pace of the system continued to slow dramatically over the next few days as it turned gradually to the right around a large ridge of high pressure over the Southeast. The remnants of Gustav finally began moving rapidly away from the Lower Mississippi Valley on the 4th as an incoming disturbance deflected it to the northeast. Gustav was responsible for multiple hazardous weather elements across the service area such as tropical storm force winds, tornadoes, flash flooding, and areal flooding from extensive rains.

As the center of Gustav crossed much of southern Louisiana, tropical storm force winds extended into southern Mississippi and portions of east central Louisiana. Sustained winds were between 35 and 45 mph with higher gusts between 70 and 100 mph occurred. Tree and power line damage was extensive across these areas which resulted in widespread power outages, some of which lasted for 3 to 5 days.

As Gustav slowed across central Louisiana, the outer rainbands continued to rotate across much of southern and central Mississippi. This kept those portions of Mississippi in the region which was favorable for tornadoes. Over 3 days, 26 tornadoes were confirmed, all of which were in the EF0 to EF1 range.

As Gustav slowed on September 2nd, flash flooding became a major issue which lasted into the 3rd as the storm slowly lifted to the north and northeast. The first round of heavy rain and flash flooding was across portions of southeast Mississippi as the outer rainbands started to move across the same areas. Total rainfall across this area was between 4 and 7 inches. The heaviest rains fell across areas near and west of the Mississippi River. Some of the Mississippi counties boarding the river received 8 to 11 inches of rain. Areas west of the river across Louisiana and southeast Arkansas saw extreme rainfall. Many locations received between 11 and 20 inches of rain. The highest measured rainfall was at Larto Lake where 21 inches fell. The flooding rains had a tremendous impact on area crops. Crop damage was extensive across Louisiana and western Mississippi. The flooding rains came at a crucial time as most crops will be harvested in September. Crop damage from Gustav will range between 300-400 million dollars.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>MISSISSIPPI, Central</b>				
<b>(MS-Z053) CLAIBORNE, (MS-Z054) COPIAH, (MS-Z059) JEFFERSON, (MS-Z060) ADAMS, (MS-Z061) FRANKLIN, (MS-Z062) LINCOLN, (MS-Z063) LAWRENCE, (MS-Z064) JEFFERSON DAVIS, (MS-Z072) MARION, (MS-Z073) LAMAR, (MS-Z074) FORREST</b>				
	09/01/08 10:00 CST		5.85M	Tropical Storm
	09/02/08 01:00 CST		1.10M	
<b>FORREST COUNTY --- 1.6 SE MAXIE [30.95, -89.18], 1.3 SSE MAXIE [30.95, -89.19]</b>				
	09/01/08 12:18 CST		2K	Tornado (EF0, L: 0.49 mi , W: 25 yd)
	09/01/08 12:19 CST		0	Source: Emergency Manager
A brief tornado touched down close to the intersection of Highway 49 and 13. A few trees blocked the south bound lane of Highway 49.				
<b>LAMAR COUNTY --- 2.2 ESE PURVIS [31.14, -89.39], 0.3 ENE PURVIS [31.15, -89.42]</b>				
	09/01/08 12:34 CST		2K	Tornado (EF0, L: 2.03 mi , W: 30 yd)
	09/01/08 12:35 CST		0	Source: NWS Storm Survey
This tornado briefly touched down for about 2 miles and moved through Purvis. A few trees were blown down along with scattered broken limbs. Some additional minor wind damage also occurred outside the tornado path.				
<b>LAMAR COUNTY --- 1.1 ENE OTOB [31.30, -89.58], 2.3 NW OTOB [31.32, -89.63]</b>				
	09/01/08 12:45 CST		10K	Tornado (EF0, L: 3.12 mi , W: 50 yd)
	09/01/08 12:46 CST		0	Source: NWS Storm Survey
This tornado touched down near Oloh and tracked for 3 miles toward the Marion/Lamar County line. A few trees and several limbs were broken along the path. One mobile home sustained some minor roof damage and had siding blown off.				
<b>LAMAR COUNTY --- 3.4 WNW OTOB [31.33, -89.65]</b>				
	09/01/08 12:48 CST		0	Funnel Cloud
	09/01/08 12:48 CST		0	Source: Emergency Manager
A funnel cloud was reported near the Lamar/Marion County line.				
<b>MARION COUNTY --- 7.2 NE GOSS [31.42, -89.81], 7.1 NE GOSS [31.43, -89.82]</b>				
	09/01/08 13:00 CST		1K	Tornado (EF0, L: 0.82 mi , W: 50 yd)
	09/01/08 13:01 CST		0	Source: Emergency Manager
This tornado touched down just north of Bunker Hill and was on the ground for little over a mile. This tornado cross into Jefferson Davis county along J.L. Robbins Road. Several trees and limbs were down along the path.				
<b>JEFFERSON DAVIS COUNTY --- 6.5 SW BASSFIELD [31.43, -89.82], 6.7 SW BASSFIELD [31.43, -89.83]</b>				
	09/01/08 13:01 CST		1K	Tornado (EF0, L: 0.47 mi , W: 50 yd)
	09/01/08 13:02 CST		0	Source: Emergency Manager
This tornado touched down just north of Bunker Hill and was on the ground for little over a mile. This tornado cross into Jefferson Davis county along J.L. Robbins Road. Several trees and limbs were down along the path.				
<b>JASPER COUNTY --- 3.7 ENE STRINGER [31.89, -89.21], 3.1 ENE STRINGER [31.89, -89.22]</b>				
	09/01/08 13:31 CST		0	Tornado (EF0, L: 0.73 mi , W: 25 yd)
	09/01/08 13:32 CST		0	Source: Law Enforcement
This tornado briefly touched down along county road 10 and downed a few trees and limbs.				
<b>JASPER COUNTY --- 1.4 SW BAY SPGS [31.96, -89.32], 1.6 WSW BAY SPGS [31.96, -89.32]</b>				
	09/01/08 13:40 CST		0	Tornado (EF0, L: 0.58 mi , W: 25 yd)
	09/01/08 13:41 CST		0	Source: NWS Storm Survey
This brief tornado downed a few trees along Highway 531 just southwest of Bay Springs.				
<b>SMITH COUNTY --- 0.5 ESE SYLVARENA [32.02, -89.37]</b>				

## Storm Data and Unusual Weather Phenomena - September 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	09/01/08 13:50 CST		0	Thunderstorm Wind (EG 50 kt)
	09/01/08 13:50 CST		0	Source: Emergency Manager
A few trees were blown down.				
<b>CLARKE COUNTY --- 3.4 SE PACHUTA [32.00, -88.84], 1.4 ESE PACHUTA [32.02, -88.86]</b>				
	09/01/08 14:31 CST		10K	Tornado (EF0, L: 2.05 mi , W: 50 yd)
	09/01/08 14:32 CST		0	Source: NWS Storm Survey
This tornado downed several trees and limbs along the path. One home sustained some shingle damage and had tree debris on the left side of the roof. Maximum winds were around 85 mph.				
<b>SMITH COUNTY --- 2.6 NNE PINEVILLE [32.17, -89.39]</b>				
	09/01/08 14:31 CST		0	Thunderstorm Wind (EG 50 kt)
	09/01/08 14:31 CST		0	Source: Emergency Manager
A few trees were blown down.				
<b>SCOTT COUNTY --- 4.3 S STEEL [32.42, -89.43], 0.7 NNW HILLSBORO [32.46, -89.53]</b>				
	09/01/08 15:35 CST		20K	Tornado (EF1, L: 6.04 mi , W: 100 yd)
	09/01/08 15:43 CST		0	Source: NWS Storm Survey
This tornado touched down about 5 miles southeast of Hillsboro and tracked northwest for 6 miles. Several trees were uprooted and snapped along the path. Minor shingle damage occurred to a church and home along Highway 35. Several trees were blown down in the Bienville National Forest. On Old Hillsboro Road, a swing and trampoline were blown over.				
<b>RANKIN COUNTY --- 1.0 NW KOCH [32.51, -89.89], 1.8 WNW KOCH [32.51, -89.91]</b>				
	09/01/08 15:40 CST		0	Tornado (EF0, L: 0.77 mi , W: 25 yd)
	09/01/08 15:41 CST		0	Source: Law Enforcement
Ross Barnett Reservoir Patrol witnessed a brief tornado touchdown just north of Highway 43.				
<b>SMITH COUNTY --- 2.8 ESE CENTER RIDGE [31.92, -89.43], 2.6 E CENTER RIDGE [31.93, -89.44]</b>				
	09/02/08 02:23 CST		0	Tornado (EF0, L: 0.34 mi , W: 25 yd)
	09/02/08 02:24 CST		0	Source: NWS Storm Survey
This tornado touched down briefly and downed a few trees.				
<b>SCOTT COUNTY --- 2.2 SW KALEM [32.33, -89.63]</b>				
	09/02/08 04:33 CST		0.20M	Thunderstorm Wind (EG 50 kt)
	09/02/08 04:33 CST		0	Source: Emergency Manager
A few trees were blown down. One large tree was down on Morton High School and damaged three classrooms.				
<b>SMITH COUNTY --- 2.9 E LEMON [32.13, -89.45], 2.6 SSE KLEIN [32.14, -89.46]</b>				
	09/02/08 06:40 CST		0	Tornado (EF0, L: 0.97 mi , W: 25 yd)
	09/02/08 06:41 CST		0	Source: Emergency Manager
A few trees were downed as this weak tornado briefly touched down.				
<b>LAMAR COUNTY --- 0.9 SE PURVIS [31.14, -89.41]</b>				
	09/02/08 06:55 CST		8K	Thunderstorm Wind (EG 50 kt)
	09/02/08 06:55 CST		0	Source: Emergency Manager
A few trees and power lines were blown down.				
<b>JASPER COUNTY --- 0.6 E STRINGER [31.87, -89.26]</b>				
	09/02/08 07:03 CST		0	Thunderstorm Wind (EG 50 kt)
	09/02/08 07:03 CST		0	Source: Law Enforcement
A few trees were blown down.				

## Storm Data and Unusual Weather Phenomena - September 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>JONES COUNTY --- 1.5 ESE HEBRON [31.69, -89.36], 1.5 E HEBRON [31.70, -89.35]</b>				
	09/02/08 07:44 CST		80K	Tornado (EF0, L: 0.42 mi , W: 30 yd)
	09/02/08 07:45 CST		0	Source: NWS Storm Survey
This tornado briefly touched down in the Hebron Community and damaged a roof on a barn and downed a couple fences. Maximum wind gusts were around 75 mph.				
<b>SMITH COUNTY --- BURNS [32.13, -89.55], 2.2 ENE LEMON [32.14, -89.46], 0.8 NNE KLEIN [32.19, -89.47], 1.5 SE LINGLE [32.19, -89.56]</b>				
	09/02/08 08:00 CST		2K	Flash Flood (due to Heavy Rain)
	09/02/08 09:30 CST		0	Source: Emergency Manager
Several creeks were flooded out of their banks and across some roads over the northern portion of the county.				
<b>JONES COUNTY --- 0.9 SW LAUREL [31.69, -89.14]</b>				
	09/02/08 08:04 CST		0	Funnel Cloud
	09/02/08 08:04 CST		0	Source: Emergency Manager
<b>JONES COUNTY --- 4.0 W SANDERSVILLE [31.78, -89.10], 2.2 NW ERRATA [31.79, -89.10]</b>				
	09/02/08 08:19 CST		5K	Tornado (EF0, L: 0.73 mi , W: 25 yd)
	09/02/08 08:20 CST		0	Source: Emergency Manager
This tornado briefly touched down west of Sandersville and downed a few trees on some power lines. Max winds were around 75 mph.				
<b>FORREST COUNTY --- 1.4 ESE PETAL [31.34, -89.25], 1.2 SSW PETAL [31.33, -89.27], 0.8 WSW DRAGON [31.38, -89.28], 1.9 ESE DRAGON [31.37, -89.24]</b>				
	09/02/08 08:45 CST		0.13M	Flash Flood (due to Heavy Rain)
	09/02/08 10:30 CST		0	Source: Emergency Manager
Heavy rainfall from persistent outer bands produced a quick 3 to 5 inches of rain around the Petal area. Many roads were flooded by several feet of water and several were washed out from the high water.				
<b>JASPER COUNTY --- 0.7 WSW PAULDING [32.03, -89.06]</b>				
	09/02/08 08:50 CST		0	Thunderstorm Wind (EG 55 kt)
	09/02/08 08:50 CST		0	Source: Emergency Manager
Several trees were blown down across county road 16.				
<b>SCOTT COUNTY --- 2.4 WNW HOMEWOOD [32.24, -89.56], 1.3 NW HOMEWOOD [32.24, -89.54], 1.8 NW HOMEWOOD [32.25, -89.54], 2.4 NW HOMEWOOD [32.25, -89.55]</b>				
	09/02/08 09:00 CST		10K	Flash Flood (due to Heavy Rain)
	09/02/08 10:00 CST		0	Source: Public
Locally heavy rainfall around 4 to 5 inches caused a 2 to 3 acre pond to overflow which caused the dam to break. The water from the pond was dispersed across an open field.				
<b>JASPER COUNTY --- 1.0 E GARLANDVILLE [32.22, -89.10], 1.1 ENE GARLANDVILLE [32.22, -89.10]</b>				
	09/02/08 09:12 CST		1K	Tornado (EF0, L: 0.18 mi , W: 40 yd)
	09/02/08 09:13 CST		0	Source: NWS Storm Survey
This tornado touched down just east of Garlandville and tracked north for about 4.5 miles into Newton County. A few dozen trees were damaged along the path with one home with minor shingle damage. Max winds were around 80 mph.				
<b>NEWTON COUNTY --- 4.2 SE CALHOUN [32.22, -89.10], 1.4 S POPULAR SPGS [32.28, -89.10]</b>				
	09/02/08 09:13 CST		12K	Tornado (EF0, L: 3.90 mi , W: 40 yd)
	09/02/08 09:19 CST		0	Source: NWS Storm Survey
This tornado touched down just east of Garlandville and tracked north for about 4.5 miles into Newton County. A few dozen trees were damaged along the path with one home with minor shingle damage. Max winds were around 80 mph.				
<b>JONES COUNTY --- 1.5 N ERRATA [31.79, -89.07], 5.2 WNW OVETT [31.50, -89.14], 3.3 NNW (PIB)PINE BELT RGNL [31.52, -89.34], 3.5 ESE UNION LINE [31.78, -89.21]</b>				



## Storm Data and Unusual Weather Phenomena - September 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	09/02/08 09:15 CST		5M	Flash Flood (due to Heavy Rain)
	09/02/08 13:00 CST		0.30M	Source: Emergency Manager

Persistent bands of thunderstorms produced widespread 4 to 6 inches of rain across most of central Jones County. Many roads across the county as well as around Laurel were flooded. On the north side of Laurel, several cars were submerged in a flooded street. This heavy rainfall also flooded some homes and a few apartment complexes. Minor crop damage also occurred from flooded fields and water soaked crops.

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**FORREST COUNTY --- 1.4 NW ROCK HILL [31.09, -89.34], 1.6 SSE EPPS [31.11, -89.19], 2.5 NNE MAXIE [31.01, -89.19], 0.3 ENE CARNES [30.98, -89.26], 4.7 WNW CARNES [31.00, -89.34]**

09/02/08 09:30 CST	20K	Flash Flood (due to Heavy Rain)
09/02/08 10:20 CST	0	Source: Emergency Manager

One home was flooded with over a foot of water around Brooklyn. Additionally, numerous roads were flooded with several roads closed. One road around Brooklyn was washed out.

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**NEWTON COUNTY --- 1.2 SSW HICKORY [32.30, -89.03]**

09/02/08 09:30 CST	0	Thunderstorm Wind (EG 50 kt)
09/02/08 09:30 CST	0	Source: Emergency Manager

A few trees were blown down along Highway 503.

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**NEWTON COUNTY --- 2.0 ENE DECATUR [32.45, -89.09]**

09/02/08 09:41 CST	0	Thunderstorm Wind (EG 50 kt)
09/02/08 09:41 CST	0	Source: Law Enforcement

A few trees were blown down off Good Hope Road.

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**JASPER COUNTY --- 1.1 W MOSS [31.82, -89.22], 6.3 SW HEIDELBERG [31.82, -89.08], 1.5 N ROSE HILL [32.17, -89.00], 3.0 WSW BAXTER [32.18, -89.21], 1.0 SSW STRINGER [31.86, -89.28]**

09/02/08 10:30 CST	0.50M	Flash Flood (due to Heavy Rain)
09/02/08 13:00 CST	0.30M	Source: Law Enforcement

Persistent thunderstorms with a slow moving rain band produced widespread 4 to 6 inches of rain across much of Jasper County. Numerous roads were flooded with several closed. Minor damage occurred to some crops due to water soaked fields and crops.

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**NEWTON COUNTY --- 6.0 S HICKORY [32.23, -89.02], 0.9 WNW ROBERTS [32.23, -89.24], 2.8 S COOKSEY [32.46, -89.22], 3.5 SE BEULAH HUBBARD [32.46, -89.00]**

09/02/08 10:45 CST	60K	Flash Flood (due to Heavy Rain)
09/02/08 12:30 CST	0	Source: Emergency Manager

Locally heavy rainfall between 3 and 5 inches fell across a large portion of Newton County. Several roads were flooded across the county with a few which needed to be closed.

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**SCOTT COUNTY --- 4.1 NNE BEACH [32.55, -89.62], 1.5 SE LUDLOW [32.55, -89.70], 2.1 SSW MORTON [32.32, -89.68], 2.2 SSW STAGE [32.25, -89.64], 2.3 NW OTHO [32.26, -89.45], 1.1 ENE HILLSBORO [32.46, -89.50]**

09/02/08 11:00 CST	0.15M	Flash Flood (due to Heavy Rain)
09/02/08 13:30 CST	0.30M	Source: Emergency Manager

Multiple rounds of heavy rain bands brought a range of 4 to 7 inches of rain to portions of Scott County. This rainfall caused many roads across the county to flood and many had to be closed for some period of time. A couple homes also sustained minor flood damage. Additionally, some minor crop damage occurred across the county due to soaked fields.

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**FRANKLIN COUNTY --- 4.6 SSW MEADVILLE [31.41, -90.93], 1.9 NE LITTLE SPGS [31.42, -90.71], 6.2 N LUCIEN [31.61, -90.68], 4.7 ENE OLDENBURG [31.61, -90.91]**

09/02/08 11:30 CST	1M	Flash Flood (due to Heavy Rain)
09/02/08 14:30 CST	0.20M	Source: Emergency Manager

Outer rain bands continued to track over the same areas of central and eastern Franklin County and produced 4 to 7 inches of rain. This was the first major rain axis to move across the county. Numerous roads were flooded during this time with several washed out and a few bridges damaged. Several homes were flooded as well and some people had to be rescued from their homes. Crops were damaged as well around the county from rain soaked fields.

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**LINCOLN COUNTY --- 2.6 ENE CASEYVILLE [31.68, -90.63], 3.3 N HEUCKS [31.68, -90.38], 3.0 NNW RUTH [31.42, -90.35], 2.7 W ARLINGTON [31.41, -90.62]**

## Storm Data and Unusual Weather Phenomena - September 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	09/02/08 11:30 CST		0.20M	Flash Flood (due to Heavy Rain)
	09/02/08 14:30 CST		0.20M	Source: Emergency Manager
Locally heavy rainfall from persistent rain band produced 3 to 6 inches of rain and caused numerous county roads to flood across a large portion of Lincoln County. Minor crop damage also occurred from rain soaked fields.				
<b>COPIAH COUNTY --- 1.8 ENE PLEASANT HILL [31.73, -90.72], 0.9 NW BEAUREGARD [31.73, -90.41], 2.1 SSE CRYSTAL SPGS [31.95, -90.36], 0.6 NNW CARPENTER [32.04, -90.69]</b>				
	09/02/08 12:00 CST		0.20M	Flash Flood (due to Heavy Rain)
	09/02/08 14:30 CST		0.20M	Source: Emergency Manager
Locally heavy rainfall from persistent rain band produced 3 to 6 inches of rain and caused many county roads to flood across a large portion of Copiah County.				
<b>JEFFERSON COUNTY --- 2.9 SE UNION CHURCH [31.65, -90.76], 2.7 WNW PERTH [31.66, -90.94], 4.1 NW BLUE HILL [31.81, -90.93], 2.6 NE MC BRIDE [31.80, -90.77]</b>				
	09/02/08 12:00 CST		0.20M	Flash Flood (due to Heavy Rain)
	09/02/08 14:30 CST		0.10M	Source: Emergency Manager
Locally heavy rainfall from persistent rain band produced 3 to 6 inches of rain and caused many county roads to flood across a large portion of eastern Jefferson County.				
<b>LAMAR COUNTY --- 0.4 WNW PURVIS [31.15, -89.43], 0.9 SE PURVIS [31.14, -89.41], 1.6 ESE PURVIS [31.14, -89.39], 1.6 ENE PURVIS [31.16, -89.40]</b>				
	09/02/08 12:15 CST		10K	Flash Flood (due to Heavy Rain)
	09/02/08 13:15 CST		0	Source: Emergency Manager
Locally heavy rainfall caused a mobile home flood and sustain water damage.				
<b>CLAIBORNE COUNTY --- ROCKY SPGS [32.10, -90.82], 0.5 SE PATTISON [31.88, -90.91], 2.4 ESE PEYTON [31.82, -90.78], 3.7 S REGANTON [32.10, -90.76]</b>				
	09/02/08 12:30 CST		0.20M	Flash Flood (due to Heavy Rain)
	09/02/08 14:30 CST		0.20M	Source: Emergency Manager
Locally heavy rainfall from persistent rain band produced 3 to 6 inches of rain and caused many county roads to flood across a large portion of eastern Claiborne County.				
<b>LINCOLN COUNTY --- 3.6 W NEW SIGHT [31.64, -90.51], 3.6 W NEW SIGHT [31.64, -90.51]</b>				
	09/02/08 12:47 CST		0	Tornado (EF0, L: 0.34 mi , W: 30 yd)
	09/02/08 12:48 CST		0	Source: NWS Storm Survey
A large tree was blown down off James Road and several large limbs were broken off. Max winds were around 70 mph.				
<b>COVINGTON COUNTY --- 3.0 SW HOT COFFEE [31.70, -89.49], 4.0 NW HOT COFFEE [31.77, -89.50]</b>				
	09/02/08 13:48 CST		0.43M	Tornado (EF1, L: 5.00 mi , W: 75 yd)
	09/02/08 13:54 CST		0	Source: NWS Storm Survey
This tornado touched down just west of the Hot Coffee Community and was on the ground for about 5 miles. Several trees were uprooted or snapped along with path with several structures damaged. One home suffered significant roof damage and had the carport destroyed. Another home also suffered major roof damage and had the shed destroyed. Two other homes had minor roof damage. A chicken house was nearly destroyed as well along the path. Max winds were around 105 mph.				
<b>LINCOLN COUNTY --- 1.0 E CAM [31.55, -90.36]</b>				
	09/02/08 13:49 CST		0	Funnel Cloud
	09/02/08 13:49 CST		0	Source: Emergency Manager
<b>COPIAH COUNTY --- 0.2 S SANDHILL [31.73, -90.33], 2.4 N SANDHILL [31.76, -90.33]</b>				
	09/02/08 14:17 CST		0.20M	Tornado (EF1, L: 2.55 mi , W: 100 yd)
	09/02/08 14:21 CST		0.10M	Source: NWS Storm Survey
This tornado began along Beauregard Road and tracked due north for almost 3 miles and crossed Ryan Road. Numerous softwood and hardwood trees were snapped and uprooted along the path. A mobile home and framed home suffered minor roof damage and 2 sheds were heavily damaged. Maximum winds were around 100 mph.				

## Storm Data and Unusual Weather Phenomena - September 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>COPIAH COUNTY --- 0.6 NNE GALLMAN [31.94, -90.40], 2.0 NNW GALLMAN [31.96, -90.41]</b>				
	09/02/08 14:45 CST		0	Tornado (EF0, L: 1.51 mi , W: 40 yd)
	09/02/08 14:46 CST		0	Source: NWS Storm Survey
Several large limbs and dead trees downed with a few live trees uprooted on the east side of Lake Copiah. Maximum winds were around 70 mph.				
<b>FRANKLIN COUNTY --- 0.7 S BUDE [31.46, -90.85], 5.0 S BUDE [31.40, -90.85], 1.0 E LITTLE SPGS [31.40, -90.71], 1.4 N LUCIEN [31.54, -90.68], 3.8 N EDDICETON [31.55, -90.79]</b>				
	09/02/08 15:15 CST		50K	Flash Flood (due to Heavy Rain)
	09/02/08 18:00 CST		0	Source: Emergency Manager
An additional batch of heavy rainfall fell over areas that received several inches earlier in the day. Additional roads were flooded from this round of rain.				
<b>LINCOLN COUNTY --- 3.0 SSW FAIR OAKS SPGS [31.51, -90.35], 2.6 SSW FAIR OAKS SPGS [31.52, -90.35]</b>				
	09/02/08 16:04 CST		0	Tornado (EF0, L: 0.41 mi , W: 30 yd)
	09/02/08 16:05 CST		0	Source: NWS Storm Survey
This brief tornado uprooted a few trees and snapped some limbs off a few others. The tornado crossed East Lincoln Drive and was then in and open field where it dissipated. Max winds were around 70 mph.				
<b>LINCOLN COUNTY --- 2.8 WSW BROOKHAVEN [31.56, -90.49]</b>				
	09/02/08 16:51 CST		0	Funnel Cloud
	09/02/08 16:51 CST		0	Source: Emergency Manager
Several reports of a funnel cloud on the west side of Brookhaven.				
<b>FRANKLIN COUNTY --- HAMBURG [31.58, -91.07], 1.3 NNE KNOXVILLE [31.40, -91.11], 4.7 S BUDE [31.40, -90.84], 5.5 N EDDICETON [31.58, -90.82]</b>				
	09/02/08 18:30 CST		0.10M	Flash Flood (due to Heavy Rain)
	09/02/08 20:00 CST		0	Source: Public
Another band of heavy rain moved across the western portion of Franklin County and caused additional flooding problems. This round of rain brought a quick 1 to 3 inches and caused many roads to flood again.				
<b>ADAMS COUNTY --- SIBLEY [31.38, -91.40], 4.8 ESE KINGSTON [31.40, -91.20], 3.0 ENE LEESDALE [31.57, -91.13], 0.1 NNE FOSTER [31.60, -91.33]</b>				
	09/02/08 19:50 CST		2M	Flash Flood (due to Heavy Rain)
	09/03/08 06:00 CST		4M	Source: Public
After a few rounds of moderate rains from Hurricane Gustav, a persistent band of heavy storms moved into Adams County and produced flash flooding across the area. This round of heavy rain added a quick 3 to 6 inches to an area that had received 4 to 6 from previous rains. Many roads were under water and mud slides occurred in the steeper terrain.				
The heavy rain also caused crop damage as many crops were water logged or were damaged by flooded farm land.				
<b>JEFFERSON COUNTY --- CHURCH HILL [31.72, -91.25], 2.9 N CANNONSBURG [31.67, -91.22], 1.5 ENE STAMPLEY [31.66, -91.12], 0.6 E LORMAN [31.82, -91.04], 1.4 WSW RODNEY [31.86, -91.22]</b>				
	09/02/08 19:50 CST		2M	Flash Flood (due to Heavy Rain)
	09/03/08 06:00 CST		4M	Source: Newspaper
After a few rounds of moderate rains from Hurricane Gustav, a persistent band of heavy storms moved into western Jefferson County and produced flash flooding across the area. This round of heavy rain added a quick 3 to 6 inches to an area that had received 4 to 6 from previous rains. Many roads were under water along with a few washed out.				
The heavy rain also caused crop damage as many crops were water logged or were damaged by flooded farm land.				
<b>WARREN COUNTY --- 4.8 N YOUNGTON [32.52, -90.61], 4.3 E BOVINA [32.36, -90.66], 1.6 ENE BOVINA [32.36, -90.70], 5.8 E GRANGE HALL [32.26, -90.77], 0.8 WSW LE TOURNEAU [32.22, -90.96], 1.1 S MAGNOLIA HELIPORT [32.32, -90.90], 1.5 WSW HAYNES BLUFF [32.51, -90.80]</b>				
	09/03/08 06:45 CST		0.70M	Flash Flood (due to Heavy Rain)
	09/03/08 08:30 CST		3M	Source: Emergency Manager

## Storm Data and Unusual Weather Phenomena - September 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Heavy rainfall fell across most of Warren County as Hurricane Gustav continued to weaken. Persistent heavy rain areas impacted the county and produced 7 to 11 inches of rainfall. Several roads were flooded along with a few areas having mud slides. Some homes and businesses were flooded as well.				

Agriculture was hard hit as nearly all of the farm land was flooded to some extent. Crops that were near harvest were left in the fields and were damaged. Yields on crops were extremely poor with some crops in some areas a total loss.

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**SHARKEY COUNTY --- 2.1 NNE LORENZEN [32.98, -90.89], 2.0 WSW SMEDES [32.67, -90.95], 3.7 SW LUCRE [32.69, -90.77], 1.5 N RED ROCK [32.84, -90.77], 0.7 N AUTER [33.06, -90.73], 0.3 W PANTHER BURN [33.07, -90.88]**

09/03/08 07:00 CST	0.50M	Flash Flood (due to Heavy Rain)
09/03/08 08:30 CST	6M	Source: Emergency Manager

Heavy rainfall fell across most of Sharkey County as Hurricane Gustav continued to weaken. Persistent heavy rain areas impacted the county and produced 7 to 10 inches of rainfall. Many roads were flooded.

Agriculture was hard hit as nearly all of the farm land was flooded to some extent. Crops that were near harvest were left in the fields and were damaged. Yields on crops were extremely poor with some crops in some areas a total loss.

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**WARREN COUNTY --- 2.2 ESE STOUT [32.29, -90.87], 2.1 ESE STOUT [32.29, -90.87]**

09/03/08 13:31 CST	0.15M	Tornado (EF0, L: 0.21 mi , W: 30 yd)
09/03/08 13:32 CST	0	Source: NWS Storm Survey

This weak tornado briefly touched down and downed a few trees. One was on an apartment building and a few others on some cars. Max winds were around 75 mph.

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**FRANKLIN COUNTY --- 3.1 S MEADVILLE [31.42, -90.90], 0.9 N BUDE DIXIE FLD [31.48, -90.83]**

09/03/08 14:50 CST	0.10M	Tornado (EF0, L: 5.52 mi , W: 50 yd)
09/03/08 15:00 CST	0	Source: NWS Storm Survey

This weak tornado touched down about 3 miles south of Meadville and tracked north northeast for a little over 5 miles where it crossed Barlow Road. Several trees were blown down along with many limbs snapped along the path. A few power lines were down due to limbs on the line. The front porch of a restaurant was blown off as the tornado crossed near the intersection of Highway 98 and Old Highway 84. Max winds were around 85 mph.

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**WASHINGTON COUNTY --- 1.2 W GREENVILLE [33.40, -91.07], 1.8 NNW WINTERVILLE [33.52, -91.08], 2.0 NE NAPANEE [33.52, -90.86], 0.4 ESE ARCOLA [33.27, -90.89], 4.4 SW PERCY [33.07, -90.93], 2.6 S CHATHAM [33.06, -91.10], 0.9 N REFUGE [33.31, -91.13]**

09/03/08 18:30 CST	10M	Flash Flood (due to Heavy Rain)
09/03/08 21:15 CST	20M	Source: Emergency Manager

During the late afternoon and evening of the 3rd, a heavy band of storms developed across the region and produced 5 to 9 inches of rainfall in 3 to 5 hours. This additional rainfall made the total across Washington County between 7 and 11 inches for the entire 3 day event. This extreme rainfall flooded numerous roads, many which were closed or even washed out. Some 250 to 270 structures were flooded with flood damage ranging from minor to major. Flood damage was widespread and significant for this area.

Agriculture was hard hit as well. Farmland was flooded and entire crops were lost or significantly damaged. Any crops that were salvaged produced low yields.

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**SUNFLOWER COUNTY --- 0.6 E INDIANOLA [33.45, -90.64], 0.9 WSW INVERNESS [33.35, -90.61], 1.5 ENE MOORHEAD [33.46, -90.50], 1.9 WSW DWYER [33.56, -90.58]**

09/03/08 22:00 CST	0.30M	Flash Flood (due to Heavy Rain)
09/03/08 23:30 CST	0.30M	Source: Emergency Manager

Locally heavy rainfall flooded several roads across the central portion of the county.

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**WARREN COUNTY --- 1.5 SSE VICKSBURG [32.33, -90.87], 0.9 NNW NATIONAL CEMETERY [32.39, -90.87], 0.7 NE KINGS [32.41, -90.84], 0.9 N BEECHWOOD [32.34, -90.83]**

09/03/08 22:00 CST	5K	Flash Flood (due to Heavy Rain)
09/03/08 22:40 CST	0	Source: Law Enforcement

Several roads in and around the city were flooded and covered by water.

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**FRANKLIN COUNTY --- 5.3 S BUDE [31.39, -90.85], 5.7 SW MEADVILLE [31.41, -90.97], 3.4 NW MEADVILLE [31.51, -90.94], 2.4 N BUDE [31.50, -90.84]**

09/03/08 23:20 CST	5K	Flash Flood (due to Heavy Rain)
09/04/08 00:30 CST	0	Source: Emergency Manager

## Storm Data and Unusual Weather Phenomena - September 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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A line of storms producing heavy rain caused additional flooding across central Franklin County. A few roads were again flooded.

Hurricane Gustav was the 2nd major hurricane of the 2008 Atlantic Hurricane Season. It took shape as a tropical depression on the morning of August 25th just southeast of Haiti, and rapidly strengthened to hurricane status by the morning of August 26th. After inflicting serious damage on portions of Haiti, Jamaica, and Cuba, Gustav entered into the southeastern portion of the Gulf of Mexico and took aim at the Gulf Coast of the United States. Although Gustav attained Category 4 status earlier in its life, Gustav eventually made landfall as a strong Category 2 system at Cocodrie, Louisiana, on September 1st, containing maximum sustained winds around 110 mph. Gustav slowed down and weakened as it continued on its northwest track across southern Louisiana where major damage was inflicted. The pace of the system continued to slow dramatically over the next few days as it turned gradually to the right around a large ridge of high pressure over the Southeast. The remnants of Gustav finally began moving rapidly away from the Lower Mississippi Valley on the 4th as an incoming disturbance deflected it to the northeast. Gustav was responsible for multiple hazardous weather elements across the service area such as tropical storm force winds, tornadoes, flash flooding, and areal flooding from extensive rains.

As the center of Gustav crossed much of southern Louisiana, tropical storm force winds extended into southern Mississippi and portions of east central Louisiana. Sustained winds were between 35 and 45 mph with higher gusts between 70 and 100 mph occurred. Tree and power line damage was extensive across these areas which resulted in widespread power outages, some of which lasted for 3 to 5 days.

As Gustav slowed across central Louisiana, the outer rainbands continued to rotate across much of southern and central Mississippi. This kept those portions of Mississippi in the region which was favorable for tornadoes. Over 3 days, 26 tornadoes were confirmed, all of which were in the EF0 to EF1 range.

As Gustav slowed on September 2nd, flash flooding became a major issue with lasted into the 3rd as the storm slowly lifted to the north and northeast. The first round of heavy rain and flash flooding was across portions of southeast Mississippi as the outer rainbands started to move across the same areas. Total rainfall across this area was between 4 and 7 inches. The heaviest rains fell across areas near and west of the Mississippi River. Some of the Mississippi counties boarding the river received 8 to 11 inches of rain. Areas west of the river across Louisiana and southeast Arkansas saw extreme rainfall. Many locations received between 11 and 20 inches of rain. The highest measured rainfall was at Larto Lake where 21 inches fell. The flooding rains had a tremendous impact on area crops. Crop damage was extensive across Louisiana and western Mississippi. The flooding rains came at a crucial time as most crops will be harvested in September. Crop damage from Gustav will range between 300-400 million dollars.

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### CLAIBORNE COUNTY --- 1.5 SSE PEYTON [31.81, -90.81], 1.2 ENE PEYTON [31.84, -90.80]

09/13/08 13:51 CST	0	Tornado (EF0, L: 1.93 mi , W: 50 yd)
09/13/08 13:52 CST	0	Source: NWS Storm Survey

This tornado produced a narrow path of some trees and limbs blown down or snapped from Beech Grove Road to Highway 547. Maximum winds were estimated around 75 mph.

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### WASHINGTON COUNTY --- 1.1 WSW HOLLANDALE MUNI ARPT [33.18, -90.85], 4.1 NE FOOTE [33.15, -90.99], 4.1 WSW MC CUTCHEON [33.22, -90.96], 1.3 ESE MC CUTCHEON [33.25, -90.88]

09/14/08 05:20 CST	10K	Flash Flood (due to Heavy Rain)
09/14/08 06:45 CST	0	Source: Law Enforcement

Several inches of rain caused several roads in and around Hollandale to flood with 1 to 2 feet of water covering the roads.

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### HUMPHREYS COUNTY --- 0.6 E BELZONI [33.18, -90.49]

09/14/08 07:04 CST	20K	Thunderstorm Wind (EG 55 kt)
09/14/08 07:04 CST	0	Source: Law Enforcement

A portion of the covered walk way at Ida Green Elementary was blown apart.

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### LEFLORE COUNTY --- 1.1 NE FT LORING [33.51, -90.24], 2.7 NNE FT LORING [33.54, -90.24], 1.6 NNW GRENADA JCT [33.55, -90.18], 0.6 E GREENWOOD [33.52, -90.17]

09/14/08 07:45 CST	5K	Flash Flood (due to Heavy Rain)
09/14/08 09:00 CST	0	Source: Law Enforcement

Locally heavy rainfall caused several streets to flood on the north side of Greenwood. A few of these roads had to be temporarily closed.

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### CARROLL COUNTY --- 1.5 SSE BLACK HAWK [33.31, -90.01]

09/14/08 07:51 CST	0	Thunderstorm Wind (EG 50 kt)
09/14/08 07:51 CST	0	Source: Public

A couple of trees were blown down.

## Storm Data and Unusual Weather Phenomena - September 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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HUMPHREYS COUNTY --- 2.3 SSW CASTLEMAN [33.19, -90.54], 0.9 W CASTLEMAN [33.22, -90.55], 0.8 WSW DEOVOLANTE [33.22, -90.46], 1.1 E BROOKLYN [33.17, -90.46], 1.1 SW BELZONI [33.17, -90.51]				
	09/14/08 08:00 CST		15K	Flash Flood (due to Heavy Rain)
	09/14/08 09:00 CST		0	Source: Law Enforcement
Several inches of rain quickly fell across portions of Humphreys County and caused several roads in and around Belzoni to be covered by 1 to 2 feet of water.				
As Hurricane Ike slammed southeast Texas and southwest and central Louisiana, a few outer bands reached the Jackson, MS service area. These bands brought some locally heavy rainfall which caused some flash flooding across a few areas that received very heavy rain earlier in the month from Hurricane Gustav. In addition to some localized flash floods, a couple severe storms caused minor damage in a few areas.				
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MARION COUNTY --- 1.5 NNW SANDY HOOK [31.05, -89.83], 1.4 ENE SANDY HOOK [31.04, -89.80]				
	09/20/08 13:05 CST		0	Hail (0.88 in)
	09/20/08 13:09 CST		0	Source: Trained Spotter

Dime to nickel sized hail fell around Sandy Hook.

Widespread rain developed across the region along with a few embedded thunderstorms. One storm intensified and produced some hail in southern Marion County.